

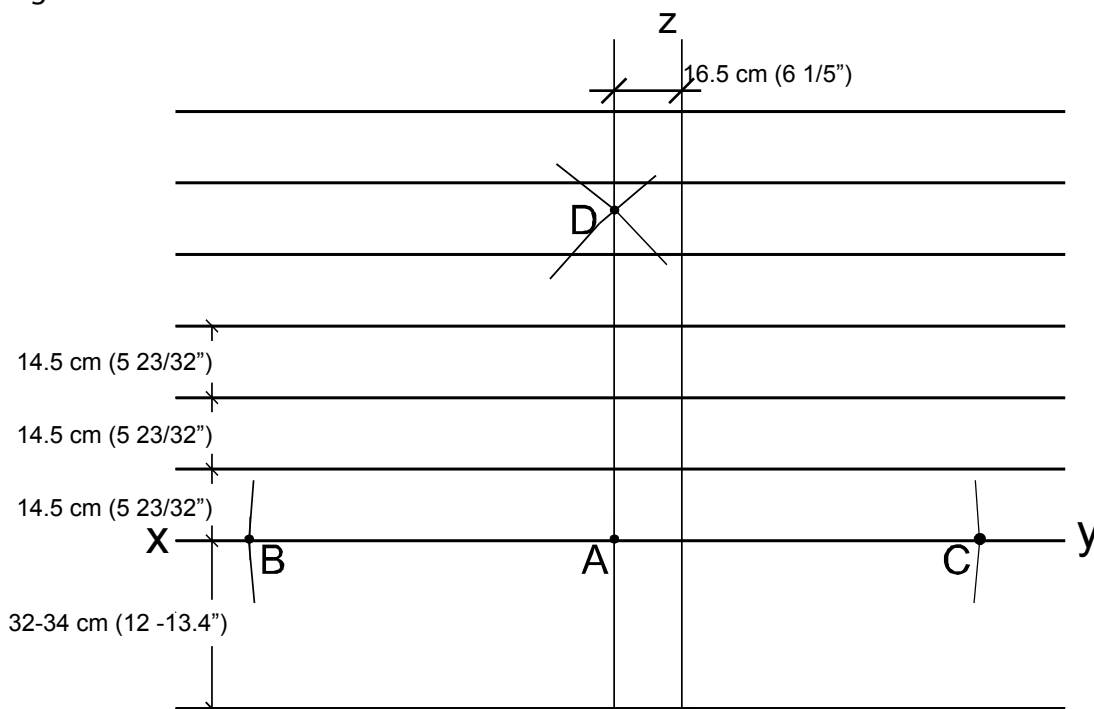
INTRODUCTION

The easy and correct installation of ELITE tiles requires a continuously, smooth, dry, clean and seasoned roof deck.

The nailable roof deck can be of wood (tongue and groove planks), Plywood, OSB board or cementboard or similar.

MARKING THE ROOF

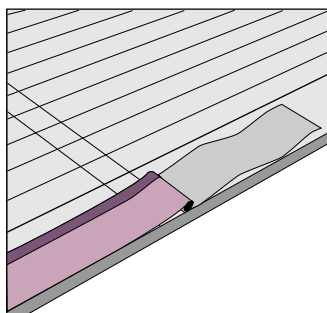
- Mark a line orthogonal to the direction of the maximum slope *xy* (usually parallel to the eaves and ridge line at a distance of 32-34 cm (12 -13.4"))
- Determine on this line a point "A" near to the center of the roof.
- Mark the points B and C using a chalk line as a compass with an opening of at least 200cm (78.8") and mark point "D".
- Connect A and D
- Trace a parallel line to A, D at 16.5 cm (6 1/2") (z)
- Starting from x, y trace horizontal lines parallel to x, y at a distance of 14.5 cm (5 23/32") up to the ridge.



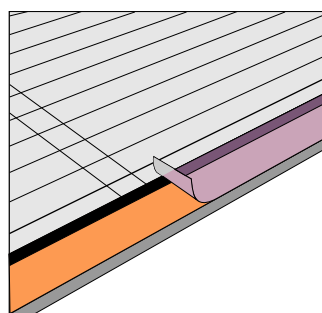
Drawing 1 - Marking the roof

INSTALLATION

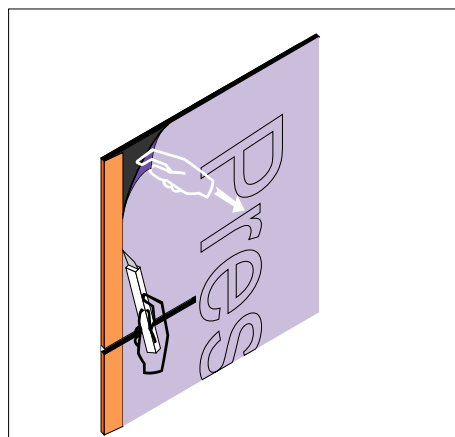
- Apply ELITE FIRST as a starter course on the eaves line; remove the protection on the reverse side. Fix this self adhesive, copper clad membrane with 1 stainless steel nail each meter (39 3/8") see drawing 2.
- Remove the protection on the upper side of Elite First (see drawing 3).
- Remove all the protection film at the reverse side of the tiles following the instructions on drawing 4.
- The first course is commenced by aligning the first PRESTIGE ELITE tile along the line A, D and using the line xy as a help for placing the upper edge of the PRESTIGE ELITE tile (drawing 5).
- Before starting to install the second course, remove the protection of the selfadhesive fascia (drawing 6) and fix the PRESTIGE ELITE tile with 4 stainless steel nails (ring shranked) at 2.5-3 cm (1" - 1 9/16") from the insets (see drawing 8).
- The second course is aligned to line z (drawing 7) at 16.5 cm (6 1/2") from A,D.
- This installation system is carried on up the the roof until it is completely covered and the apex is reached.



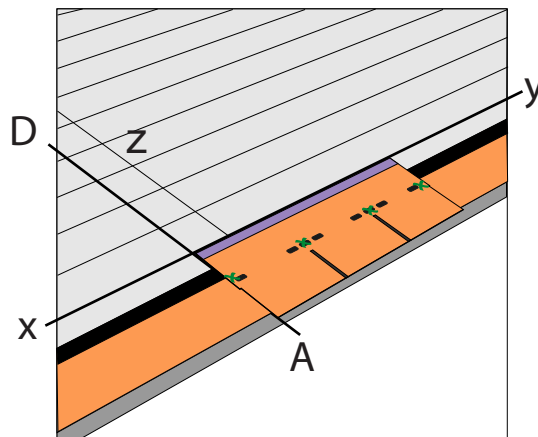
Drawing 2 - Installation of "Elite First"



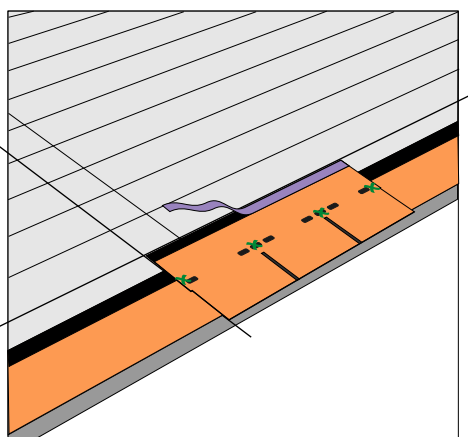
Drawing 3 - Installation of "Elite First"



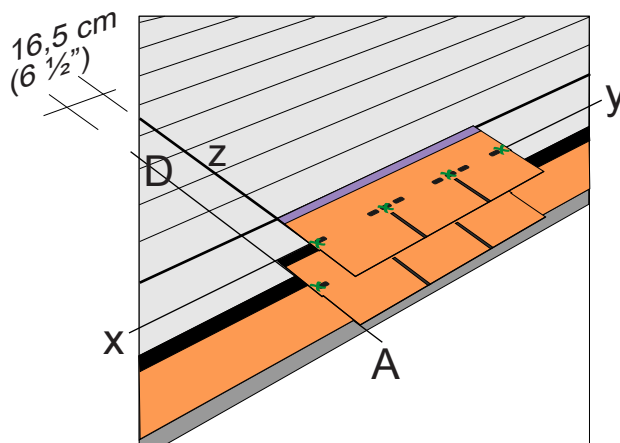
Drawing 4 - Protection film at the reverse side



Drawing 5 - Installation of the first tile



Drawing 6 - Protection film on the upper side



Drawing 7 - Staggering of the tiles

SLOPES

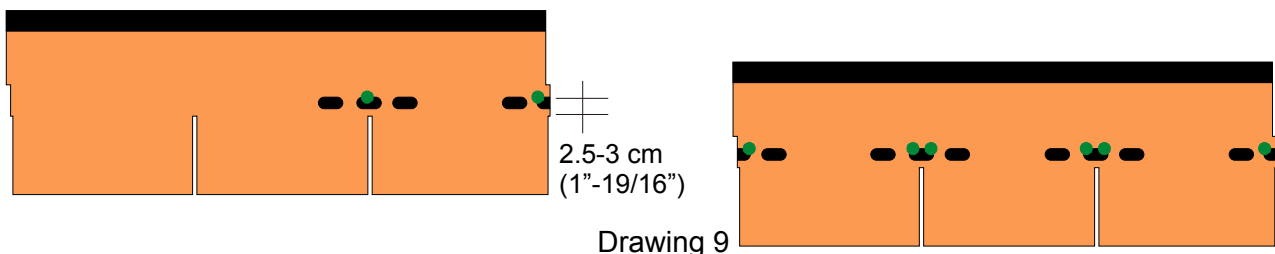
Minimum slope for fastening with nails 30% (3^{3/4}/12).

For roofs in the mountains and for more than 7m long roofs please contact our Customer Service.

FASTENERS

Stainless steel large headed roofing nails must be used with the PRESTIGE ELITE tiles. The length of the nails must be proportional to the thickness and type of decking. Nails must be ring shrank and penetrate through the roof deck (minimum 32 mm - 1 1/4").

A minimum of 4 nails must be used per tile ELITE, positioned only as shown on drawing 8. The fasteners must be positioned in such a manner as to simultaneously nail the tiles underneath. N.B.: For slopes over 160% (60°) apply 6 nails for each tile, doubling the second and third nail (see drawing 9).



Drawing 9

RIDGES

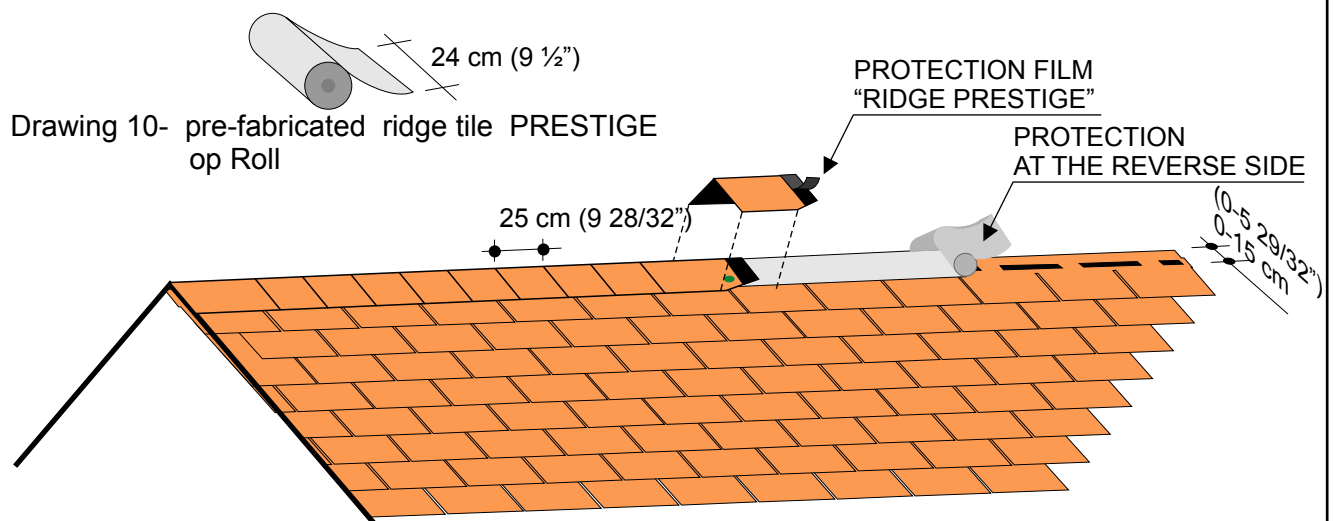
Install PRESTIGE ELITE tiles on both sides of the roof at not less than 15 cm (5 29/32") from the ridge line and cut the piece of tiles which overshoot.

Waterproof the ridge, installing over the ridge TOP ROLL, a self-adhesive membrane, removing the protection at the reverse side (see drawing 11).

Remove the protection at the reverse side of the ridge (see drawing 4).

Fix the pre-fabricated ridge tile Prestige with 2 nails for each tile at 35mm (1 3/8") where they are protected from the overlapped tile. The exposure of the ridge tiles is 25 cm (9 28/32") (drawing 11).

Remove from each ridge tile the protection film on the upper side. It is necessary to press down the ridge tiles for a better adhesion.



Drawing 11- installation of the ridge tiles

VALLEYS

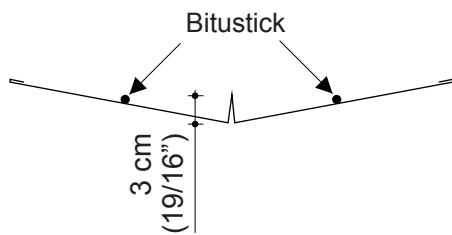
Install a copper flashing (drawing 12 shows a sample of a suitable design) in correspondence of the valley (drawing 13). The flashing has to be installed before marking the roof.

At 10cm (3 15/16") from the center line of the valley apply a seam of Bitustick mastic (drawing 14). Install the tiles as to former indications and cut them near to the center of the valley in such a way that the lateral edge coincides with the central jutting out of the valley (drawing 13).

Seal the joint between tiles and valley with a seam of Bitustick mastic.

Nails should not be used within at least 25 cm (9 29/32") of the center line.

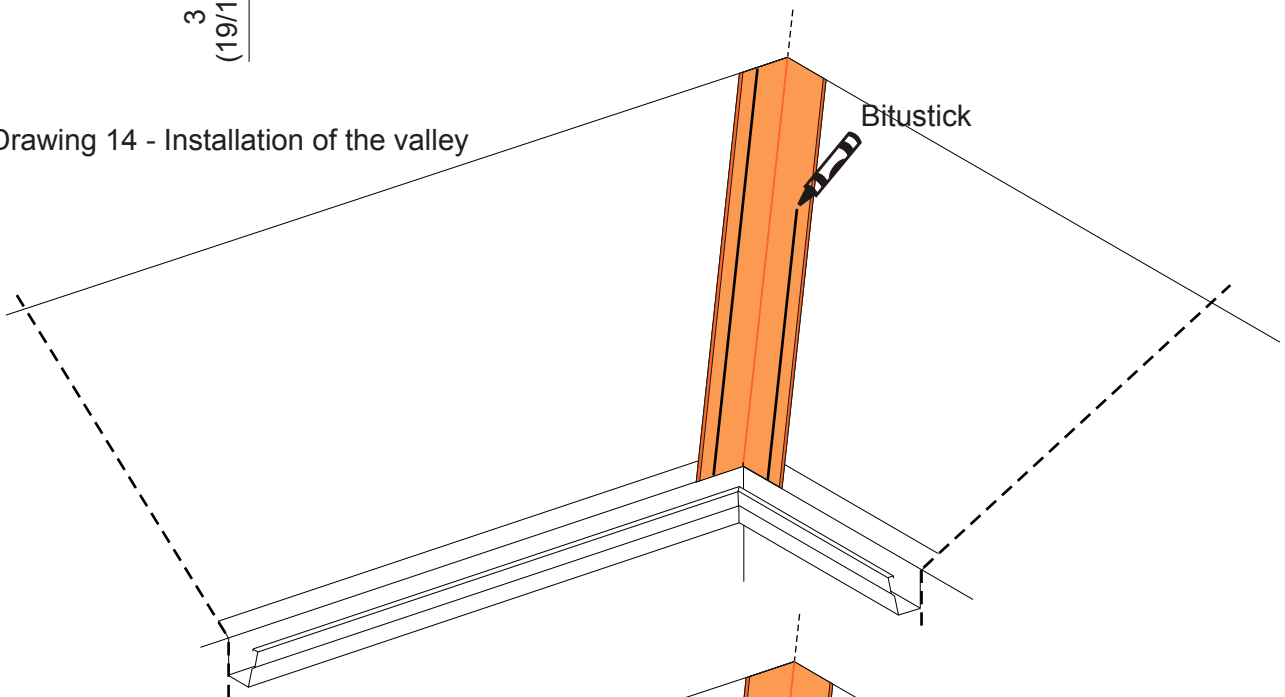
Drawing 12 - Copper Flashing (example)



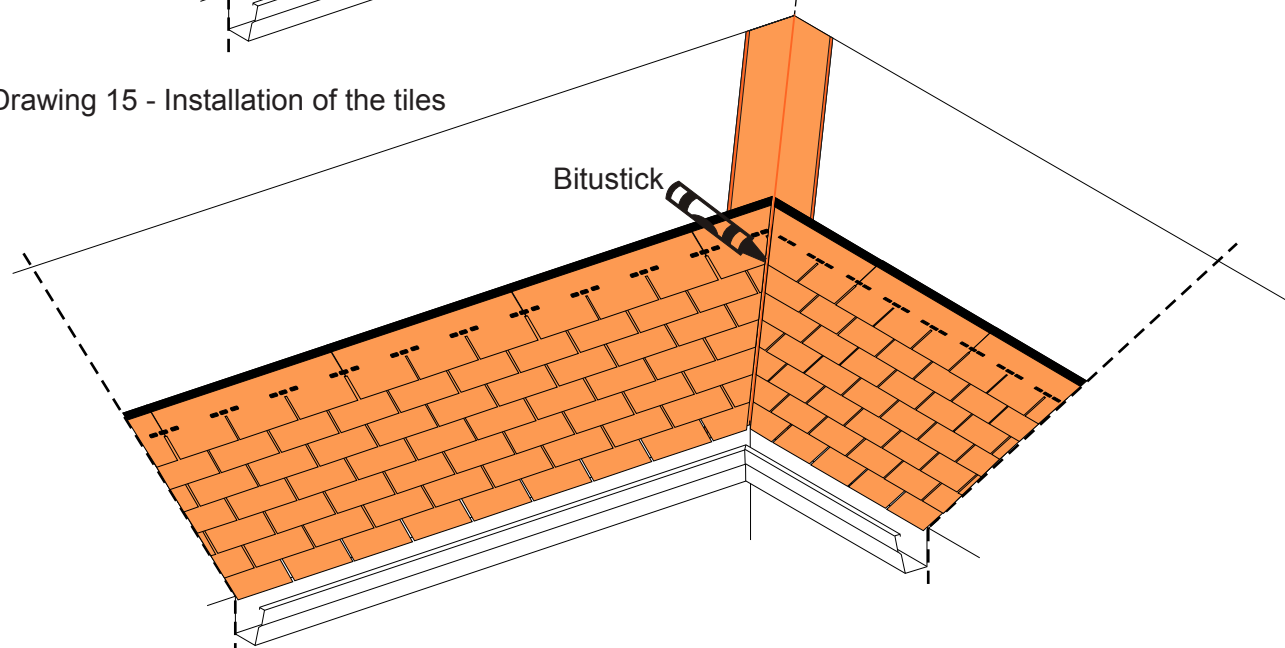
Drawing 13 - Copper Flashing (example)



Drawing 14 - Installation of the valley



Drawing 15 - Installation of the tiles





FLASHING

All the flashings (joints, chimneys, valley, etc...) can be carried out with copper flashings, for PRESTIGE (use flashings in stainless steel for Zinc Titanium) or with bituminous membranes; all will be simplified by using TEGOLA CANADESE.

All other accessories like: roof windows, snow brackets, roof aerators etc. from Tegola Canadese facilitate the finishing of the roof.

ELITE tiles are provided with synchronized self sealing points to glue them together avoiding that the wind take them off. In cold regions and in very windy regions, the glueing is not automatically. Therefore the adhesive parts have to be heated with the flame to be activated, and the tiles have to be pressed down to be glued together.

WARNING

To avoid PRESTIGE TRADITIONAL tiles sticking together in the bundles, and the wrapping and tiles from getting damaged:

- DON'T STORE THE PALLETS ON TOP OF ONE ANOTHER
- DON'T EXPOSE THE PALLETS TO BAD WEATHER OR NEAR HEAT SOURCES
- TILES MUST NOT BE INSTALLED AT A TEMPERATURE OF LESS THAN 10°C (50° F)
THIS REFERS TO THE TEMPERATURE OF THE TILES, NOT THE AMBIENT TEMPERATURE.
- BUNDLES OR INDIVIDUAL TILES MUST NOT BE BENT ON SHARP ANGLES (I.E. THEY SHOULD NOT BE DRAPED OVER THE RIDGE OF THE ROOF, AND SHOULD CERTAINLY NOT BE CARRIED ONTO THE ROOF OVER THE SHOULDER.
- CUTTING THE TILES SHOULD BE ACCOMPLISHED USING A STRAIGHT BLADED UTILITY KNIFE, FROM THE FRONT (COPPER CLAD) SIDE OF THE TILES.
- IMMEDIATELY PRIOR TO INSTALLATION OF THE ROOF, THE TILES SHOULD BE GENTLY CURVED SO THAT A SMALL HOLLOW OF APPROX. 3-4MM IS FORMED UNDERNEATH THE AREA OF THE TILE WHERE THE COPPER IS LAMINATED. THIS WILL ENSURE THAT THE TILES LIE FLAT ON THE ROOF, EVEN WHEN WALKED UPON.
- TOUCHING OF PRESTIGE TRADITIONAL TILES SHOULD ONLY BE CARRIED OUT BY PERSONS FAMILIAR WITH THIS SPECIAL INSTALLATION TECHNIQUE. CARE MUST BE TAKEN THAT THE FLAME DOES NOT "LAP AROUND" THE EDGES OF THE TILES AS THIS WILL NOT ONLY DISCOLOR THE SURFACE OF THE COPPER BUT MAY ALSO CAUSE A BREAKDOWN OF THE ADHESIVE LAYER WHICH MAY NOT BECOME APPARENT UNTIL A MUCH LATER DATE.
- SLIDING SNOW AND ICE CAN CAUSE MAJOR DAMAGE TO VALLEYS, PENETRATIONS, RIDGES, RAKES AND EAVES ON ROOFS WITH PRESTIGE TRADITIONAL TILES THEREFORE INSTALL SNOW STOPPERS ON THE ROOF AND FIRST OF ALL IN THE VALLEY, AT 40CM (1') FROM THE CENTER OF THE VALLEY.